

# Overview of Analytical Approach and Economic Models

# Overview of Economic Analysis of Amendment 13 Impacts

- Overall Approach
- Applicable Laws (E. O. 12866, RFA)
- What analyses were done?
- How do they fit together?
- What is new?

# Overall Approach

Choice and design of analytical models were driven by management needs.

1. Choice of rebuilding strategy

And

2. Choice of regulatory scheme consistent with rebuilding strategy

# Applicable Laws

- Executive Order 12866
  - Focus on Net National Benefit
  - Distributive effects on individuals, businesses of differing sizes, and small communities
- Regulatory Flexibility Act
  - Focus on regulated small businesses

# Types of Analysis

- Long term
  - Projected landings and net benefits to 2026
    - Choice of rebuilding strategy
    - E.O. 12866
- Short Term
  - Impacts of year 1 implementation (impacts on vessel revenues, regional impacts, and break-even)
    - Choice of regulatory alternative
    - RFA and E.O. 12866 distributive effects

# Integration of Analysis

- Long term analysis a stand-alone
  - Not linked with short term
- Short term analysis contains stand-alone and integrated analyses
  - Stand Alone
    - Break-Even
  - Integrated Models
    - Area closure model
    - Impacts on fishing revenue
    - Input/Output

# The Old and the New

- Models used in Amendment 7 and 13
  - Projected net benefit
    - Updated price model
  - Break-Even
    - Updated cost information
- New Models
  - Area closure model
  - Vessel-level revenue change
  - Input/Output model

# Presentations of Economic Models

- Long Term
  - Biological Projection Methods
  - Price Analysis
  - Net Benefit
- Short Term
  - Area Closure Model
  - Fishing Revenue Change
  - Input/Output Model
  - Analysis of Hard TAC's
  - Vessel Break-Even
  - Recreational Impact Analysis